

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A TRUCK AUTOMATIC DETECTION WARNING SYSTEM ON EASTBOUND MD 155 IN HARFORD COUITY. MD 155 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE HAZARD IDENTIFICATION BEACONS WILL OPERATE IN A FLASHING MODE WHEN TRUCKS ARE DETECTED TRAVELING OVER 30 MILES PER HOUR.

CONTROLLER REQUIREMENTS

INSTALL EIGHT PHASE FULL-TRAFFIC-ACTUATED CONTROLLER AND INTERSECTION MONITOR WITH BATTERY BACKUP FOR PHONE DROP VIDEO INTERFACE EQUIPMENT AND ASSOCIATED HARNESSSES HOUSED IN A NEMA SIZE "5" POLE MOUNTED CABINET.

SPECIAL NOTE

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATIONS. THE CONTRACTOR IS TO PROVIDE MR. SNYDER THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY SHA

ITEM NO.	QUANTITY	DESCRIPTION
9009	1 EACH	12 IN. x 30 FT. STRAIN POLE (1 3/4 IN. x 90 IN. ANCHOR BOLTS INCLUDED)
9043	1 EACH	EIGHT-PHASE FULL-TRAFFIC-ACTUATED CONTROLLER INTERSECTION MONITOR WITH BATTERY BACK-UP FOR PHONE DROP AND ASSOCIATED HARNESSSES HOUSED IN A NEMA SIZE "5" POLE MOUNTED CABINET.
9571	46 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 1 EACH W7-1 (B/FY) SIGN (48 IN. x 48 IN.) - 1 EACH W7-3B(1) (B/FY) SIGN (36 IN. x 48 IN.) - 1 EACH "TRUCKS SPEED TOO FAST WHEN FLASHING" (B/FY) SIGN (42 IN. x 60 IN.)
9086	1 EACH	VIDEO, INTERFACE EQUIPMENT: 1-4 CAMERAS DETECTION

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	3 C.Y.	TEST PIT EXCAVATION
6003	12 S.F.	4 INCH CONCRETE SIDEWALK
8009	1 EACH	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8013	1 EACH	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT
8016	45 L.F.	2 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8024	4 C.Y.	CONCRETE FOR SIGNAL FOUNDATION
8026	550 L.F.	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8030	240 L.F.	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED
8032	250 L.F.	3 INCH SCEDULE 80 RIGID PVC CONDUIT-TRENCHED
8033	15 L.F.	4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8038	1 EACH	ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS
8039	45 L.F.	ELECTRICAL CABLE 1-CONDUCTOR NO. 4 AWG-THHN/THWN
8045	6 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8047	46 S.F.	INSTALL OVERHEAD SIGN
8048	1 EACH	VIDEO DETECTION CAMERA
8049	1 EACH	CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER
8053	2 EACH	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
8056	2 EACH	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8060	20 L.F.	ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 AWG)
8061	590 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8067	1 EACH	INSTALL STRAIN POLE, ANY SIZE
8070	1 EACH	INSTALL CONTROLLER AND CABINET - POLE MOUNT

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.03-01 (SHOULDER WORK)
STANDARD NO. MD-104.03-03 (LEFT LANE CLOSURE)
STANDARD NO. MD-104.03-05 (RIGHT LANE CLOSURE)

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

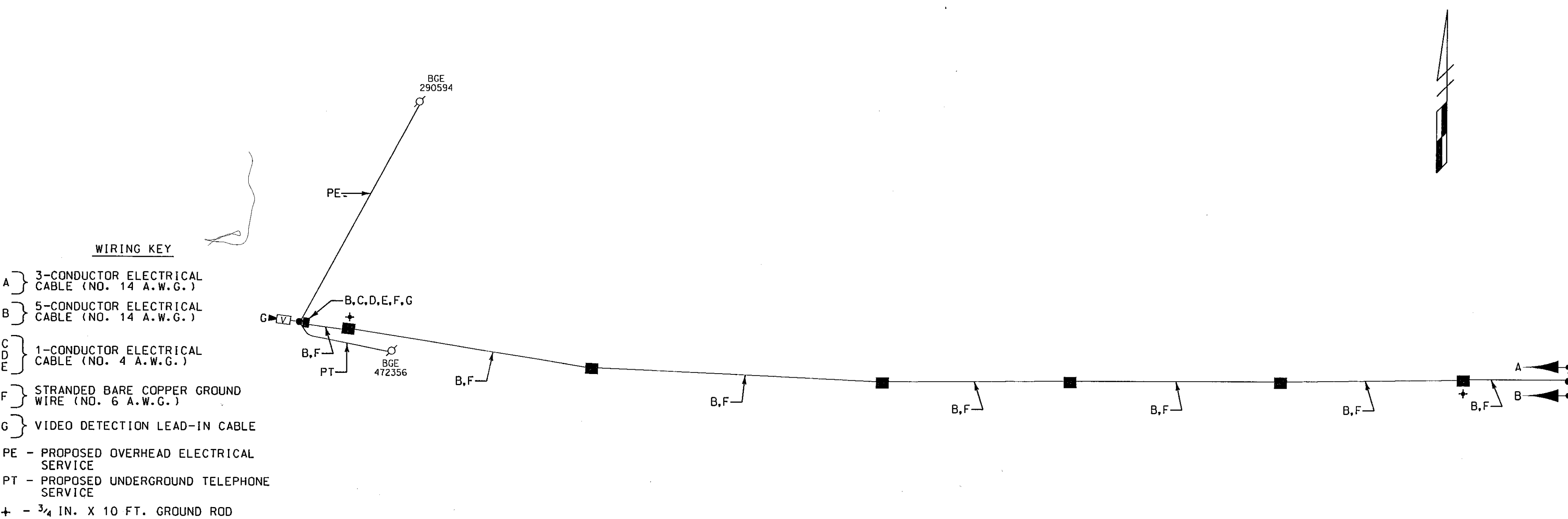
MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781/2785

MS. SUENETTE POPE
DISTRICT UTILITY ENGINEER
PHONE: (410) 321-2841

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

WIRING DIAGRAM



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Whitman, Reardon
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801 South Caroline Street
Baltimore, Maryland 21231
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MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
EASTBOUND MD 155 AUTOMATIC TRUCK
DETECTION WARNING SYSTEM

DRAWN BY: S. BLOSS	F.A.P. NO.	TS NO.	SHEET NO. 2 OF 2
CHECKED BY: N. LEARY	S.H.A. NO. AT5825185		
SCALE: NONE	COUNTY: HARFORD	T.I.M.S. NO. G283	
DATE: 10/5/2004	LOG MILE:		